

(iii) The number of nodes in each tree is bounded by a constant.

(iv) The number of trees is bounded by a constant.

CLAIMS

1. In a data processing system having a user terminal operated by a user which
builds a service for accessing a data base management system responsively
coupled to said user terminal via a publically accessible digital data
communication network , the improvement comprising:

a data wizard which permits said user to specify said service as a plurality of
discreet and independent steps.

2. The improvement according to claim 1 wherein said publically accessible digital
data communication network further comprises the Internet.

3. The improvement according to claim 2 wherein said user terminal further
comprises an industry compatible personal computer having a commercially
available browser.

4. The improvement according to claim 3 wherein said data wizard permits said
user to define and edit each step in said plurality of steps independently of each of
the other steps in said plurality of steps.

1 5. The improvement according to claim 4 wherein said data base management
2 system is Classic MAPPER.

1 6. An apparatus comprising:

2 a. a user terminal;

3 b. a data base management system responsively coupled to said user
4 terminal via a publically accessible digital data communication network;
5 and

6 c. a data wizard responsively coupled to said user terminal and said data
7 base management system which permits a service to be defined from said
8 user terminal in accordance with a plurality of discreet and independent
9 steps.

1 7. The apparatus of claim 6 wherein said publically accessible digital data
2 communication network further comprises the Internet.

1 8. The apparatus of claim 7 wherein said data wizard one of said plurality of
2 steps to be edited independently of each other of said plurality of steps.

1 9. The apparatus of claim 8 wherein said user terminal further comprises an
2 industry compatible personal computer containing a web browser.

1 10. The apparatus of claim 9 wherein said data base management system further
2 comprises the MAPPER data base management system.

1 11. A method of dynamically building a service from a user terminal coupled via a
2 publically accessible digital data network to a remote data base management
3 system having a component building process comprising:

- 4 a. identifying a first discreet and independent step; and
5 b. identifying a second discreet and independent step ordered
6 subsequently to said first discreet and independent step.

1 12. A method according to claim 11 further comprising editing said first discreet
2 and independent step without modification to said second discreet and
3 independent step.

1 13. A method according to claim 12 wherein said publically accessible digital data
2 communication network further comprises the world wide web.

1 14. A method according to claim 13 wherein said user terminal further comprises
2 an industry compatible personal computer.

1 15. A method according to claim 14 wherein said remote data base management
2 system further comprises MAPPER data base management system.

1 16. An apparatus comprising:

2 a. means for permitting a user to access a publically accessible digital data
3 communication network;

4 b. means responsively coupled to said permitting means via said publically
5 accessible digital data communication network for providing data base
6 management services; and

7 c. means responsively coupled to said permitting means and said responding
8 means for designing a service through specification of an ordered plurality of
9 discreet and independent steps.

1 17. An apparatus according to claim 16 wherein said designing means further
2 comprises a means for editing at least one of said plurality of discreet and
3 independent steps.

1 18. An apparatus according to claim 17 wherein said publically accessible digital
2 data communication network further comprises the Internet.

1 19. An apparatus according to claim 18 wherein said responding means further
2 comprises MAPPER data base management system.

1 20. An apparatus according to claim 19 wherein said permitting means further
2 comprises an industry standard personal computer.